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March 2002 ▼ **Wireless Networks** , Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers
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> The widespread deployment of inexpensive communications technology networking infrastructure, and network-enabled end devices poses an ir locate a particular network service or device ...
>
> **Keywords**: location services, name lookup, network protocols, service

2 Fast authentication methods for handovers between IEEE 802.11 wi
M. S. Bargh, R. J. Hulsebosch, E. H. Eertink, A. Prasad, H. Wang, P. Schoo
October 2004 **WMASH '04:** Proceedings of the 2nd ACM international work services on WLAN hotspots
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> Improving authentication delay is a key issue for achieving seamless ha This paper presents an overview of fast authentication methods when re Wireless-LANs. Besides this overview, ...
>
> **Keywords**: WLAN, authentication, handover, inter/intra-domain, seaml

3 SAKM: a scalable and adaptive key management approach for multi
Yacine Challal, Hatem Bettahar, Abdelmadjid Bouabdallah
April 2004   **SIGCOMM Computer Communication Review** , Volume 34 Iss
Publisher: ACM
Full text available: 📄 Pdf (480.59 KB)   Additional Information: full citation, abstra

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> Multicasting is increasingly used as an efficient communication mechani

Internet. In order to offer secrecy for multicast applications, the traffic ᴇ
whenever a user joins or leaves ...

Keywords: Multicat, key management, scalability, security

4 Secure compilation of a multi-tier web language
   Ioannis G. Baltopoulos, Andrew D. Gordon
   January 2009 **TLDI '09:** Proceedings of the 4th international workshop on ⁻
                  implementation
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   Storing state in the client tier (in forms or cookies, for example) improv
   but it also renders the secrecy and integrity of stored data vulnerable tc
   general problem in the context ...

   Keywords: compilers, cryptography, integrity, type systems, web appli

5 On-board credentials with open provisioning
   Kari Kostiainen, Jan-Erik Ekberg, N. Asokan, Aarne Rantala
   March 2009 **ASI ACCS '09:** Proceedings of the 4th International Symposiu
                Communications Security
   Publisher: ACM ◈ Request Permissions
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   Securely storing and using credentials is critical for ensuring the securiᵗ
   applications. Existing approaches to address this problem fall short. Use
   and cheap, but they suffer from bad ...

   Keywords: credentials, provisioning protocols, secure hardware, trustᴇ

6 Offering data confidentiality for multimedia overlay multicast: Design
   Wai-Pun Ken Yiu, Shueng-Han Gary Chan
   November 2008 **Transactions on Multimedia Computing, Communicati**
                   Volume 5 Issue 2
   Publisher: ACM ◈ Request Permissions
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   Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 117, Downlo

   Application layer multicast (ALM) has been proposed to overcome curre
   group multimedia communication. We address offering data confidential
   confidentiality, a node may need to continuously ...

   Keywords: Key management, multicast security, overlay multicast, pe

7

DSPs, BRAMs, and a Pinch of Logic: Extended Recipes for AES on
Saar Drimer, Tim Güneysu, Christof Paar
January 2010 **Transactions on Reconfigurable Technology and System**
Publisher: ACM ❖ Request Permissions
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We present three lookup-table-based AES implementations that efficien
embedded within Xilinx Virtex-5 FPGAs. An iterative module outputs a 3
cycle, with a throughput of 1.67 Gbit/s when ...

Keywords: AES, CMAC, CTR, DSP blocks, FPGA, Virtex-5

8 Trust management for secure information flows
Mudhakar Srivatsa, Shane Balfe, Kenneth G. Paterson, Pankaj Rohatgi
October 2008 **CCS '08**: Proceedings of the 15th ACM conference on Compu
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In both the commercial and defence sectors a compelling need is emerg
dissemination of information across traditional organisational boundarie
management paradigm for securing pan-organisational ...

Keywords: ID-PKC, information flow, risk, trust

9 Design and Implementation of the AEGIS Single-Chip Secure Proce
Functions
G. Edward Suh, Charles W. O'Donnell, Ishan Sachdev, Srinivas Devadas
June 2005   **ISCA '05**: Proceedings of the 32nd annual international symp
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Secure processors enable new applications by ensuring private and auth
face of physical attack. In this paper we present the AEGIS secure proce
implementation on FPGAs. By using ...

Also published in:
May 2005 **SIGARCH Computer Architecture News** Volume 33 Issue 2

10 Overshadow: a virtualization-based approach to retrofitting protectio
Xiaoxin Chen, Tal Garfinkel, E. Christopher Lewis, Pratap Subrahmanyam,
Dwoskin, Dan R.K. Ports
March 2008   **ASPLOS XIII**: Proceedings of the 13th international conferen
programming languages and operating systems
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Commodity operating systems entrusted with securing sensitive data ar
consequently, frequently prone to compromise. To address this limitatio
system called Overshadow that protects ...

Keywords: VMM, cloaking, hypervisors, memory protection, multi-shac
machine monitors

Also published in:
March 2008 **SIGARCH Computer Architecture News** Volume 36 Issue 1
March 2008 **SIGOPS Operating Systems Review**   Volume 42 Issue 2
March 2008 **SIGPLAN Notices**   Volume 43 Issue 3

11 A secure multicast protocol with copyright protection
Hao-hua Chu, Lintian Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain
April 2002   **SIGCOMM Computer Communication Review** , Volume 32 Iss
Publisher: ACM
Full text available: Pdf (301.97 KB)   Additional Information: full citation, abstra

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We present a simple, efficient, and secure multicast protocol with copyr
network environment. There is a wide variety of multimedia applications
multicast protocol, e.g., the ...
Keywords: copyright protection, key distribution, multicast security, w

12 Architecture for Protecting Critical Secrets in Microprocessors
Ruby B. Lee, Peter C. S. Kwan, John P. McGregor, Jeffrey Dwoskin, Zhengh
June 2005   **ISCA '05**: Proceedings of the 32nd annual international symp
Publisher: ACM
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We propose "secret-protected (SP)" architecture to enable secure and c
for a given user in an on-line environment. Keys are examples of critica
management is a fundamental problem ...

Also published in:
May 2005 **SIGARCH Computer Architecture News** Volume 33 Issue 2

13 Implementing an untrusted operating system on trusted hardware
David Lie, Chandramohan A. Thekkath, Mark Horowitz
December 2003 **SOSP '03**: Proceedings of the nineteenth ACM symposium
Publisher: ACM Request Permissions
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Recently, there has been considerable interest in providing "trusted com
~ TCPA and Palladium being the most publicly visible examples. In this p
building such a platform using a traditional ...

Keywords: XOM, XOMOS, untrusted operating systems

Also published in:
December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

14 Answering aggregation queries in a secure system model
Tingjian Ge, Stan Zdonik
September 2007 **VLDB '07:** Proceedings of the 33rd international conferenc
Publisher: VLDB Endowment
Full text available: Pdf (321.62 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 100, Downl

As more sensitive data is captured in electronic form, security becomes
encryption is the main technique for achieving security. While in the pas
implement database encryption because of the ...

15 LiSP: A lightweight security protocol for wireless sensor networks
Taejoon Park, Kang G. Shin
August 2004 **Transactions on Embedded Computing Systems (TECS)**
Publisher: ACM ◈ Request Permissions
Full text available: Pdf (487.54 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 190, Downl

Small low-cost sensor devices with limited resources are being used wic
network for various applications, such as situation monitoring and asset
network secure is crucial to their ...

Keywords: Authentication, key management, lightweight security, sen

16 Role-based access control on the web
Joon S. Park, Ravi Sandhu, Gail-Joon Ahn
February 2001 **Transactions on Information and System Security (TIS**
Publisher: ACM ◈ Request Permissions
Full text available: Pdf (331.03 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 324, Downl

Current approaches to access control on the Web servers do not scale t
are mostly based on individual user identities. Hence we were motivatec
strong and efficient RBAC access ...

Keywords: WWW security, cookies, digital certificates, role-based acce

17

A type discipline for authorization policies

Cédric Fournet, Andrew D. Gordon, Sergio Maffeis

August 2007 **Transactions on Programming Languages and Systems (**

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Distributed systems and applications are often expected to enforce high
the code for these systems relies on lower-level security mechanisms su
encrypted communications. ...

Keywords: Authorization, process calculus, spi calculus, type systems

18 Cryptographically sound implementations for typed information-flow :

Cédric Fournet, Tamara Rezk

January 2008 **POPL '08:** Proceedings of the 35th annual ACM SIGPLAN-SIG
     programming languages

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Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 116, Downl

In language-based security, confidentiality and integrity policies conven
information between different parts of a program with diverse levels of
treatment of security, and they ...

Keywords: compilers, computational model, confidentiality, cryptograp
probabilistic programs, secure information flow, type systems

Also published in:
   January 2008 **SIGPLAN Notices** Volume 43 Issue 1

19 Securing publish/subscribe for multi-domain systems

Jean Bacon, David Eyers, Ken Moody, Lauri Pesonen

November 2005 **Middleware '05:** Proceedings of the ACM/IFIP/USENIX 20(
     Middleware

Publisher: Springer-Verlag New York, Inc.

Full text available: 📄 Pdf (480.13 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 59, Downloa

Two convincing paradigms have emerged for achieving scalability in wid
policy-driven control of access to the system by applications and for sys
publish/subscribe communication ...

Keywords: attribute encryption, content-based routing, loosely coupled
publish/subscribe, role-based access control, trust

20 Neon: system support for derived data management

Qing Zhang, John McCullough, Justin Ma, Nabil Schear, Michael Vrable, Am

Voelker, Stefan Savage
March 2010 **VEE '10:** Proceedings of the 6th ACM SIGPLAN/SIGOPS intern
environments

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Modern organizations face increasingly complex information manageme
commercial needs, legal liability and regulatory imperatives has created
Among these, personally identifying customer ...

Keywords: difc, memory tainting, qemu, virtualization, xen